



UNITED STATES DEPARTMENT OF AGRICULTURE.  
FEDERAL HORTICULTURAL BOARD.  
WASHINGTON, D. C.

LETTER OF INFORMATION NO. 20.

OCTOBER 16, 1915.

DEAR SIR: As indicated in the following pages, citrus canker (*Pseudomonas citri*) was detected on three shipments of citrus stock from the Philippine Islands, and three instances of wither tip (*Colletotrichum gloeosporioides*) were detected on such stock from the same islands by the pathological inspectors of the Federal Horticultural Board.

Fifteen packages of potatoes from Peru were found to be affected with powdery scab (*Spongospora subterranea*). Powdery scab was also detected in a shipment of potatoes from Canada by the inspectors of the State of Washington.

An undescribed potato weevil was detected in a package of potatoes from Peru. This makes the fourth weevil new to this country which has been brought in with potatoes from Andean South America.

Four interceptions of nests of the brown-tail moth (*Euproctis chrysorrhoea*), three of which were reported by inspectors of the State of New York and one by inspectors of the State of Maryland, have been made since the last letter appeared.

The European pine-shoot moth (*Evetria buoliana*) has been detected by New York inspectors, and some stock that seemed to show evidence of the work of this insect was intercepted by West Virginia inspectors.

It has recently developed that the European mole cricket (*Gryllotalpa gryllotalpa*) has been introduced into New Jersey with nursery stock carrying soil around the roots. This outbreak will be described in the next issue of the Journal of Economic Entomology by Mr. Harry B. Weiss, inspector of New Jersey. From what we know of the life history of this pest it would appear that the immature stages have entered in the soil around European nursery stock such as azaleas, rhododendrons, evergreens, and boxwood. All inspectors are earnestly requested to examine, as far as practicable, the soil around such stock entering during the present season.

Yours very truly,

C. L. MARLATT,  
Chairman of Board.

# LIST, BY COUNTRIES, OF PESTS COLLECTED.

[The number in parentheses following name of host indicates the number of times reported.]

Country of origin and name of pest.	Host.
<b>AUSTRALIA.</b>	
<i>Ceroplastes floridensis</i> (scale insect).....	<i>Eugenia</i> (1).
<i>Chrysomphalus aurantii</i> (red scale of California).....	<i>Cycas media</i> (1).
<i>Chrysomphalus</i> sp. (scale insect).....	<i>Camellia</i> (1).
<i>Lepidosaphes</i> sp. (scale insect).....	Do.
Disease: <i>Gloeosporium opuntiae</i> .....	<i>Opuntia brasiliensis</i> (1).
<b>BELGIUM.</b>	
<i>Aleyrodes</i> sp. (white fly).....	<i>Azalea</i> (1).
<i>Aspidiotus britannicus</i> (scale insect).....	Bay (2).
<i>Aspidiotus camelliae</i> (greedy scale).....	Palm (1).
<i>Aspidiotus cyanophylli</i> (scale insect).....	Evergreen trees other than conifers (1).
<i>Aspidiotus hederæ</i> (ivy scale).....	Bay (6).
Do.....	Palm (11).
<i>Aspidiotus lataniae</i> (scale insect).....	Palm (1).
<i>Aspidiotus rapax</i> (scale insect).....	Do.
<i>Cerataphis lataniae</i> (plant louse).....	Do.
<i>Chrysomphalus dictyospermi</i> (scale insect).....	Palm (7).
<i>Chrysomphalus ficus</i> (Florida red scale).....	<i>Aralia</i> (2).
Do.....	Palm (8).
<i>Coccus hesperidum</i> (soft brown scale).....	Bay (18).
Do.....	Evergreen trees other than conifers (1)
Do.....	Palm (3).
<i>Diaspis boisduvalii</i> (scale insect).....	Palm (2).
<i>Hemichionaspis aspidistrae</i> (aspidistra scale).....	<i>Aspidistra</i> (3).
<i>Lecanium</i> sp. (scale insect).....	Bay (1).
<i>Pseudococcus</i> sp. (mealy bug).....	<i>Ficus</i> (1).
Do.....	Palm (2).
<i>Saissetia hemisphaerica</i> (hemispherical scale).....	Palm (1).
Spider, red.....	<i>Aspidistra</i> (1).
Do.....	<i>Azalea</i> (1).
Diseases:	
<i>Botrytis vulgaris</i> (gray mold).....	<i>Syringa vulgaris</i> (1).
<i>Gloeosporium</i> .....	Palm (1).
<b>BERMUDA.</b>	
<i>Saissetia nigra</i> (scale insect).....	<i>Hibiscus</i> (1).
<b>BRAZIL.</b>	
Ants.....	Orchid (1).
<i>Aonidia</i> sp. (scale insect).....	<i>Myrciaria edulis</i> (1).
<i>Diaspis boisduvalii</i> (scale insect).....	Orchid (2).
Roaches.....	Orchid (1).
Disease: <i>Lasioidiplodia</i> .....	Palm (1).
<b>CANADA.</b>	
<i>Spongospora subterranea</i> (powdery scab).....	Potato (Irish) (1).
<b>CHILE.</b>	
<i>Aspidiotus forbesi</i> var. (Forbes' scale).....	<i>Malus sylvestris</i> (1).
<b>CHINA.</b>	
Diseases:	
<i>Acremoniella</i> .....	<i>Daphne tangutica</i> (1).
<i>Acrostalagmus</i> .....	<i>Ficus</i> (1).
<i>Bacterium phaseoli</i> .....	<i>Vicia faba</i> (1).
<i>Fusarium</i> .....	<i>Daphne tangutica</i> (1).
<i>Nematodes</i> .....	Do.
<i>Volutella leucotricha</i> .....	<i>Euonymus</i> (1).

## List, by countries, of pests collected—Continued.

Country of origin and name of pest.	Host.
<b>COLOMBIA.</b>	
Ants.....	Orchid (2).
Isosoma orchidearum (Cattleya fly) (punctures).....	Do.
Mites.....	Orchid (1).
Psocids.....	Do.
Tenthecoris bicolor (Hemipteron).....	Orchid (4).
Wasmannia auropunctata (ant).....	Orchid (1).
Diseases:	
Chaetodiplodia.....	Do.
Gloeosporium.....	Do.
Physalospora cattleyae.....	Do.
<b>CUBA.</b>	
Howardia biclavis (mining scale).....	Mango (1).
Pseudococcus sp. (mealy bug).....	Pineapple plants (3).
Saissetia oleae (black scale).....	Persea americana (budwood) (1).
Spider, red.....	Pineapple plants (3).
Disease: Lasiodiplodia tubericola.....	Ipomoea batatas (1).
<b>EGYPT.</b>	
Disease: Heterodera radiculicola (nematode).....	Colocasia (1).
<b>ENGLAND.</b>	
Aphids (plant lice).....	(?).
Eriosoma lanigera (woolly aphid).....	Apple (1).
Lepidosaphes ulmi (oyster-shell scale).....	Hawthorn (1).
Disease: Bacterium tumefaciens (crown gall).....	Peach (1).
<b>FRANCE.</b>	
Bruchus (Laria) obsoletus (bean weevil).....	Phaseolus capensis (1).
Bruchus obtectus (bean weevil).....	Do.
Chrysomphalus dictyospermi (scale insect).....	Palm (1).
Euproctis chrysorrhoea (brown-tail moth) (nests).....	Apple seedling (1).
Do.....	Apple stock (1).
Do.....	Fruit stocks (2).
Do.....	In packing around fruit stocks (1).
Notolophus antiqua (European tussock moth) (eggs).....	Pear (1).
Rhopalosiphum berberidis (plant louse).....	Berberis (1).
Diseases:	
Bacterium tumefaciens.....	Fruit stocks (1).
Do.....	Myrobalan (1).
Do.....	Pyrus (1).
Do.....	Syringa persica (1).
Do.....	Syringa persica alba (1).
Do.....	Weigelia (1).
Dendrodochium albo-cinereum.....	Acer platanoides (1).
Roestelia.....	Hawthorn (1).
<b>HOLLAND.</b>	
Aspidiotus ostreaeformis (scale insect).....	Prunus (1).
Evetria buoliana (European pine shoot moth).....	Pinus mughus (2).
Galumna (mite).....	Prunus (1).
Leaf miner.....	Rhododendron (1).
Lepidosaphes ulmi (oyster-shell scale).....	Beech (?) (1).
Do.....	Boxwood (13).
Do.....	Parkman's Crab (1).
Psylla buxi (Box psylla).....	Boxwood (2).
Spider, red.....	Boxwood (1).
Diseases:	
Botrytis.....	Rose (1).
Botrytis vulgaris (gray mold).....	Aucuba japonica (1).
Do.....	Syringa (1).

## List, by countries, of pests collected—Continued.

Country of origin and name of pest.	Host.
<b>HOLLAND—continued.</b>	
Diseases:	
Coniothyrium.....	Aucuba (1).
Laestadia rhododendri.....	Rhododendron (1).
Pestalozzia funerea.....	Do.
Pestalozzia guepini.....	Rhododendron (2).
Volutella buxi.....	Boxwood (1).
<b>ITALY.</b>	
Aulacaspis rosae (common rose scale).....	Rose cuttings (1).
Lepidosaphes ulmi (oyster-shell scale).....	Deciduous tree (1).
Disease: Coremium sp.....	Maple (?) or chestnut (?) (1).
<b>JAPAN.</b>	
Bagworms.....	Chamaecyparis obtusa (1).
Borers.....	Do.
Lachnus sp. (plant louse).....	Pinus tanyosho (1).
Diseases:	
Colletotrichum gloeosporioides (wither tip).....	Citrus (1).
Fusarium.....	Colocasia multiflora (1).
Gymnosporangium japonicum.....	Juniperus chinensis (1).
Phomopsis citri.....	Citrus (1).
Sclerotium Rolfsii.....	Colocasia multiflora (1).
Woroninella puerariae.....	Pueraria thunbergiana (Kudzu vine) (1).
<b>JAVA.</b>	
Chionaspis tegalensis (scale insect).....	Sugar cane (1).
Disease: Diplodia durionis.....	Durio Zibethinus (1).
<b>MEXICO.</b>	
Chrysomphalus dictyospermi (scale insect).....	Orchid (1).
Diaspis boisduvalii (scale insect).....	Do.
<b>NEW ZEALAND.</b>	
Saissetia hemisphaerica (hemispherical scale).....	Camellia (1).
Saissetia oleae (black scale).....	Pittosporum (1).
<b>PANAMA.</b>	
Chrysomphalus biformis (scale insect).....	Orchid (1).
Pseudococcus sp. (mealy bug).....	Do.
<b>PERU.</b>	
Spongospora subterranea (powdery scab).....	Solanum tuberosum (Irish potato) (14).
Trypopermnon n. sp. (potato weevil).....	Solanum tuberosum (Irish potato) (1).
<b>PHILIPPINE ISLANDS.</b>	
Acythopeus aterrimus.....	Orchid (1).
Araecerus fasciculatus (weevil).....	Dioscorea tubers (yams) (1).
Aspidiotus lataniae (scale insect).....	Pico mango (1).
Calandra oryza (rice weevil).....	Rice (1).
Carpoglyphus sp. (mite).....	Banana (1).
Chrysomphalus dictyospermi (scale insect).....	Dillenia philippinensis (1).
Do.....	Palaquium philippinensis (1).
Coccinellid.....	Orchid (1).
Coccus hesperidum (soft brown scale).....	Citrus (1).
Do.....	Citrus, herbarium specimens (1).
Elaterid larvae (wireworms).....	Orchid (1).
Laemophloeus pusillus (beetle).....	Dioscorea tubers (yams) (1).
Do.....	Rice (1).
Lepidosaphes sp. (scale insect).....	Pico mango (1).

## List, by countries, of pests collected—Continued.

Country of origin and name of pest.	Host.
<b>PHILIPPINE ISLANDS—continued.</b>	
Lophocateres pusillus (Siamese grain beetle).....	Rice (1).
Parasitus sp.....	Banana (1).
Parlatoria sp. (scale insect).....	Pico mango (1).
Phenacaspis sp. (scale insect).....	Dillenia philippinensis (1).
Do.....	Palaquium philippinensis (1).
Prenolepis longicornis (ant).....	Banana (1).
Pseudococcus virgatus (mealy bug).....	Orchid (1).
Rhizoglyphus sp. (mite).....	Dioscorea tubers (yams) (1).
Rhizopertha dominica (lesser grain borer).....	Rice (1).
Tetramorium guineense (ant) (nest).....	Orchid (1).
Tetramorium pacificum (ant).....	Banana (1).
Tribolium confusum (confused flour beetle).....	Rice (1).
Typhoea fumata.....	Dioscorea tubers (yams) (1).
Uropoda sp. (mite).....	Banana (1).
Diseases:	
Colletotrichum gloeosporioides (wither tip).....	Citrus (3).
Pseudomonas citri (citrus canker).....	Citrus (2).
Do.....	Citrus webberi (2).
<b>PORTO RICO.</b>	
Bruchus sp. (bean weevil).....	Beans (1).
<b>SWEDEN.</b>	
Diseases:	
Claviceps purpurea.....	Barley (1).
Ustilago hordei (smut).....	Do.
<b>SYRIA (TURKEY).</b>	
Aspidiotus hederae (ivy scale).....	Cedars of Lebanon (1).
Saissetia hemisphaerica (hemispherical scale).....	Do.
<b>VENEZUELA.</b>	
Ants.....	Orchid (3).
Chrysomphalus perseae (scale insect).....	Orchid (1).
Diaspis boisduvalii (scale insect).....	Do.
Ischnoptera sp. (roach).....	Do.
Isosoma orchidearum (Cattleya fly) (punctures).....	Orchid (3).
Targionia biformis (scale insect).....	Orchid (2).
Tenthecoris bicolor (Hemipteron).....	Orchid (4).

## LIST, BY STATES, OF PESTS COLLECTED.

[The number in parentheses following name of country indicates the number of times reported.]

State in which collected and name of pest.	Host.	Country of origin.
<b>CALIFORNIA.</b>		
Aleyrodes sp. (white fly).....	Azalea.....	Belgium (1).
Aspidiotus camelliae (greedy scale).....	Palm.....	Do.
Aspidiotus hederæ (ivy scale).....	do.....	Do.
Aspidiotus lataniae (scale insect).....	do.....	Do.
Aspidiotus rapax (scale insect).....	do.....	Do.
Cerataphis lataniae (plant louse).....	do.....	Do.
Ceroplastes floridensis (scale insect).....	Eugenia.....	Australia (1).
Chrysomphalus liformis (scale insect).....	Orchid.....	Panama (1).
Chrysomphalus dictyospermi (scale insect).....	do.....	Mexico (1).
Chrysomphalus sp. (scale insect).....	Camellia.....	Australia (1).
Diaspis lioisduvalii (scale insect).....	Orchid.....	Mexico (1).
Lepidosaphes sp. (scale insect).....	Camellia.....	Australia (1).
Pseudococcus sp. (mealy bug).....	Orchid.....	Panama (1).
Saissetia hemisphaerica (hemispherical scale).....	Camellia.....	New Zealand (1).
Saissetia oleae (black scale).....	Pittosporum.....	Do.
Diseases:		
Bacterium tumefaciens (crown gall).....	Fruit stocks.....	France (1).
Do.....	Myrobalan.....	Do.
Colletotrichum gloeosporioides (wither tip).....	Citrus.....	Japan (1).
Phomopsis citri.....	do.....	Do.
Pseudomonas citri (citrus canker).....	Citrus webberi.....	Philippine Islands (1).
<b>CONNECTICUT.</b>		
Saissetia nigra (scale insect).....	Hibiscus.....	Bermuda (1).
<b>DISTRICT OF COLUMBIA.</b>		
Aonidia sp. (scale insect).....	Myrciaria edulis.....	Brazil (1).
Araecerus fasciculatus (weevil).....	Dioscorea tubers (yams).....	Philippine Islands (1).
Aspidiotus forbesi var. (Forbes' scale).....	Malus sylvestris.....	Chile (1).
Aspidiotus hederæ (ivy scale).....	Cedars of Lebanon.....	Syria (Turkey) (1).
Do.....	Palm.....	Belgium (2).
Aspidiotus lataniae (scale insect).....	Pico mango.....	Philippine Islands (1).
Aspidiotus ostreaeformis (scale insect).....	Prunus.....	Holland (1).
Bruchus (Larva) o. soletus (bean weevil).....	Phaseolus capensis.....	France (1).
Bruchus o. tectus (bean weevil).....	do.....	Do.
Calandra oryza (rice weevil).....	Rice.....	Philippine Islands (1).
Carpoglyphus sp. (mite).....	Banana.....	Do.
Chionaspis tegalensis (scale insect).....	Sugar cane.....	Java (1).
Chrysomphalus dictyospermi (scale insect).....	Dillenia philippinensis.....	Philippine Islands (1).
Do.....	Palaquium philippinensis.....	Do.
Coccus hesperidum (soft brown scale).....	Citrus.....	Do.
Do.....	Citrus, herbarium specimens.....	Do.
Galumna (mite).....	Prunus.....	Holland (1).
Howardia biclavus (mining scale).....	Mango.....	Cuba (1).
Laemophloeus pusillus (beetle).....	Dioscorea tubers (yams).....	Philippine Islands (1).
Do.....	Rice.....	Do.
Lepidosaphes sp. (scale insect).....	Pico mango.....	Do.
Lophocateres pusillus (Siamese grain beetle).....	Rice.....	Do.
Parasitus sp.....	Banana.....	Do.
Parlatoria sp. (scale insect).....	Pico mango.....	Do.
Phenacaspia sp. (scale insect).....	Dillenia philippinensis.....	Do.
Do.....	Palaquium philippinensis.....	Do.
Prenolepis longicornis (ant).....	Banana.....	Do.
Rhizoglyphus sp. (mite).....	Dioscorea tubers (yams).....	Do.
Rhizopertha dominica (lesser grain borer).....	Rice.....	Do.
Saissetia hemisphaerica (hemispherical scale).....	Cedars of Lebanon.....	Syria (Turkey) (1).
Do.....	Palm.....	Belgium (1).
Saissetia oleae (black scale).....	Persea americana (budwood).....	Cuba (1).
Tetramorium pacificum (ant).....	Banana.....	Philippine Islands (1).
Tribolium confusum (confused flour beetle).....	Rice.....	Do.

## List, by States, of pests collected—Continued.

State in which collected and name of pest.	Host.	Country of origin.
<b>DISTRICT OF COLUMBIA—continued.</b>		
Trypopermnon n. sp. (potato weevil).....	Solanum tuberosum (Irish potato).....	Peru (1).
Typhoea fumata.....	Dioscorea tuberos (yams).....	Philippine Islands (1).
Uropoda sp. (mite).....	Banana.....	Do.
Diseases:		
Acremoniella.....	Daphne tangutica.....	China (1).
Acrostalagmus.....	Ficus.....	Do.
Bacterium phaseoli.....	Vicia faba.....	Do.
Botrytis.....	Rose.....	Holland (1).
Botrytis vulgaris (gray mold).....	Aucuba japonica.....	Do.
Do.....	Syringa.....	Do.
Do.....	Syringa vulgaris.....	Belgium (1).
Claviceps purpurea.....	Barley.....	Sweden (1).
Colletotrichum gloeosporioides (wither tip).....	Citrus.....	Philippine Islands (3).
Diplodia durionis.....	Durio Zibethinus.....	Java (1).
Fusarium.....	Daphne tangutica.....	China (1).
Gloeosporium opuntiae.....	Opuntia brasiliensis.....	Australia (1).
Gloeosporium.....	Palm.....	Belgium (1).
Heterodera radicola (nematode).....	Colocasia.....	Egypt (1).
Laestadia rhododendri.....	Rhododendron.....	Holland (1).
Lasiodiplodia tubericola.....	Ipomoea batatas.....	Cuba (1).
Nematodes.....	Daphne tangutica.....	China (1).
Pestalozzia funerea.....	Rhododendron.....	Holland (1).
Pestalozzia guepini.....	do.....	Holland (2).
Pseudomonas citri (citrus canker).....	Citrus.....	Philippine Islands (2).
Do.....	Citrus webberi.....	Philippine Islands (1).
Spongospora subterranea (powdery scab).....	Solanum tuberosum (Irish potato).....	Peru (14).
Ustilago hordei (smut).....	Barley.....	Sweden (1).
Volutella leucotricha.....	Euonymus.....	China (1).
<b>FLORIDA.</b>		
Pseudococcus sp. (mealy bug).....	Pineapple plants.....	Cuba (3).
Spider, red.....	do.....	Do.
Diseases:		
Fusarium.....	Colocasia multiflora.....	Japan (1).
Sclerotium Rolfsii.....	do.....	Do.
<b>GEORGIA.</b>		
Coccus hesperidum (soft brown scale).....	Bay.....	Belgium (1).
<b>HAWAII.</b>		
Acythopeus aterrimus.....	Orchid.....	Philippine Islands (1).
Coccinellid.....	do.....	Do.
Elaterid larvæ (wireworms).....	do.....	Do.
Pseudococcus virgatus (mealy bug).....	do.....	Do.
Tetramorium guineense (ant) (nest).....	do.....	Do.
<b>ILLINOIS.</b>		
Aspidiotus britannicus (scale insect).....	Bay.....	Belgium (1).
Coccus hesperidum (soft brown scale).....	do.....	Do.
Do.....	Palm.....	Do.
Rhopalosiphum berberidis (plant louse).....	Berberis.....	France (1).
<b>INDIANA.</b>		
Aspidiotus cyanophylli (scale insect).....	Evergreen trees other than conifers.....	Belgium (1).
Aspidiotus hederæ (ivy scale).....	Palm.....	Do.

## List, by States, of pests collected—Continued.

State in which collected and name of pest.	Host.	Country of origin.
<b>INDIANA—continued.</b>		
<i>Coccus hesperidum</i> (soft brown scale).....	Evergreen trees other than conifers.	Belgium (1).
Do.....	Palm.....	Do.
<i>Diaspis boisduvalii</i> (scale insect).....	do.....	Do.
<b>IOWA.</b>		
<i>Notolophus antiqua</i> (European tussock moth) (eggs).....	Pear.....	France (1).
<b>KANSAS.</b>		
Disease: <i>Bacterium tumefaciens</i> .....	<i>Syringa persica</i> .....	Do.
<b>KENTUCKY.</b>		
<i>Aspidiotus hederæ</i> (ivy scale).....	Palm.....	Belgium (1).
Disease: <i>Coniothyrium</i> .....	<i>Aucuba</i> .....	Holland (1).
<b>MARYLAND.</b>		
<i>Euproctis chrysorrhoea</i> (brown-tail moth) (nests)...	Fruit stocks.....	France (1).
Do.....	In packing around fruit stocks.	Do.
Leaf miner.....	<i>Rhododendron</i> .....	Holland (1).
<i>Lepidosaphes ulmi</i> (oyster-shell scale).....	Boxwood.....	Holland (11).
Spider, red.....	<i>Azalea</i> .....	Belgium (1).
Do.....	Boxwood.....	Holland (1).
<b>MASSACHUSETTS.</b>		
<i>Aspidiotus hederæ</i> (ivy scale).....	Bay.....	Belgium (6).
<i>Chrysomphalus ficus</i> (Florida red scale).....	Palm.....	Belgium (1).
<i>Coccus hesperidum</i> (soft brown scale).....	Bay.....	Belgium (5).
<i>Lecanium</i> sp. (scale insect).....	do.....	Belgium (1).
Disease: <i>Woroninella puerariae</i> .....	<i>Pueraria thunbergiana</i> (Kudzu vine).	Japan (1).
<b>MISSOURI.</b>		
<i>Coccus hesperidum</i> (soft brown scale).....	Bay.....	Belgium (1).
Do.....	Palm.....	Do.
<i>Diaspis boisduvalii</i> (scale insect).....	do.....	Do.
<b>NEBRASKA.</b>		
<i>Aspidiotus hederæ</i> (ivy scale).....	Palm.....	Belgium (1).
<b>NEW HAMPSHIRE.</b>		
<i>Lepidosaphes ulmi</i> (oyster-shell scale).....	Beech (?).....	Holland (1).
Do.....	Parkman's Crab.....	Do.
<b>NEW JERSEY.</b>		
Ants.....	Orchid.....	Brazil (1).
<i>Aspidiotus britannicus</i> (scale insect).....	Bay.....	Belgium (1).
<i>Aspidiotus hederæ</i> (ivy scale).....	Palm.....	Do.
<i>Chrysomphalus dictyospermi</i> (scale insect).....	do.....	Belgium (7).
Do.....	do.....	France (1).
<i>Chrysomphalus ficus</i> (Florida red scale).....	<i>Aralia</i> .....	Belgium (2).
Do.....	Palm.....	Belgium (7).
<i>Chrysomphalus perseæ</i> (scale insect).....	Orchid.....	Venezuela (1).
<i>Coccus hesperidum</i> (soft brown scale).....	Bay.....	Belgium (8).
<i>Hemichionaspis aspidistrae</i> (aspidistra scale).....	<i>Aspidistra</i> .....	Belgium (3).
<i>Pseudococcus</i> sp. (mealy bug).....	<i>Ficus</i> .....	Belgium (1).
Do.....	Palm.....	Belgium (2).
Roaches.....	Orchid.....	Brazil (1).
<i>Targionia biformis</i> (scale insect).....	do.....	Venezuela (1).



## List, by States, of pests collected—Continued.

State in which collected and name of pest.	Host.	Country of origin.
<b>NEW YORK CITY (FEDERAL INSPECTION).</b>		
Ants.....	Orchid.....	Colombia (2).
Do.....	do.....	Venezuela (3).
Aulacaspis rosae (common rose scale).....	Rose cuttings.....	Italy (1).
Bruchus sp. (bean weevil).....	Beans.....	Porto Rico (1).
Chrysomphalus aurantii (red scale of California).....	Cycas media.....	Australia (1).
Diaspis boisduvalii (scale insect).....	Orchid.....	Brazil (2).
Do.....	do.....	Venezuela (1).
Ischnoptera sp. (roach).....	do.....	Do.
Isosoma orchidearum (Cattleya fly) (punctures).....	do.....	Colombia (2).
Do.....	do.....	Venezuela (3).
Lepidosaphes ulmi (oyster-shell scale).....	Deciduous tree.....	Italy (1).
Mites.....	Orchid.....	Colombia (1).
Psocids.....	do.....	Do.
Targionia biformis (scale insect).....	do.....	Venezuela (1).
Tenthoris bicolor (Hemipteron).....	do.....	Colombia (4).
Do.....	do.....	Venezuela (4).
Wasmannia auropunctata (ant).....	do.....	Colombia (1).
Diseases:		
Chaetodiplodia.....	do.....	Do.
Coremium sp.....	Maple (?) or chestnut (?).....	Italy (1).
Gloeosporium.....	Orchid.....	Colombia (1).
Lasiodiplodia.....	Palm.....	Brazil (1).
Physalospora cattleyae.....	Orchid.....	Colombia (1).
<b>NEW YORK.</b>		
Euproctis chrysorrhoea (brown-tail moth) (nests).....	Apple seedling.....	France (1).
Do.....	Apple stock.....	Do.
Do.....	Fruit stocks.....	Do.
Evetria buoliana (European pine shoot moth).....	Pinus mughus.....	Holland (1).
<b>OHIO.</b>		
Disease: Bacterium tumefaciens.....	Syringa persica alba.....	France (1).
<b>PENNSYLVANIA.</b>		
Aspidiotus hederæ (ivy scale).....	Palm.....	Belgium (4).
Coccus hesperidum (soft brown scale).....	Bay.....	Belgium (1).
Lachnus sp. (plant louse).....	Pinus tanyosho.....	Japan (1).
Lepidosaphes ulmi (oyster-shell scale).....	Boxwood.....	Holland (1).
Psylla buxi (box psylla).....	do.....	Holland (2).
Spider, red.....	Aspidistra.....	Belgium (1).
Diseases:		
Dendrodochium albo-cinereum.....	Acer platanoides.....	France (1).
Roestelia.....	Hawthorn.....	Do.
<b>RHODE ISLAND.</b>		
Lepidosaphes ulmi (oyster-shell scale).....	Boxwood.....	Holland (1).
<b>UTAH.</b>		
Diseases:		
Bacterium tumefaciens.....	Pyrus.....	France (1).
Do.....	Weigelia.....	Do.
<b>VIRGINIA.</b>		
Disease: Volutella buxi.....	Boxwood.....	Holland (1).
<b>WASHINGTON (STATE).</b>		
Aphids (plant lice).....	(?).....	England (1).
Bagworms.....	Chamaecyparis obtusa.....	Japan (1).
Borers.....	do.....	Do.

*List, by States, of pests collected—Continued.*

State in which collected and name of pest.	Host.	Country of origin.
<b>WASHINGTON (STATE)—continued.</b>		
<i>Coccus hesperidum</i> (soft brown scale).....	Bay.....	Belgium (1).
<i>Eriosoma lanigera</i> (woolly aphis).....	Apple.....	England (1).
<i>Lepidosaphes ulmi</i> (oyster-shell scale).....	Hawthorn.....	Do.
Diseases:		
<i>Bacterium tumefaciens</i> (crown gall).....	Peach.....	Do.
<i>Gymnosporangium japonicum</i> .....	Juniperus chinensis.....	Japan (1).
<i>Spongospora subterranea</i> (powdery scab).....	Potato (Irish).....	Canada (1).
<b>WEST VIRGINIA.</b>		
<i>Evetria buoliana</i> (?) (European pine shoot moth) (?) (work of).	<i>Pinus mughus</i> .....	Holland (1).